

### **WHAT IS CLAIMED IS:**

1. A bicycle fixing rack assembly, comprising a main frame, and a plurality of clamping units, wherein:

the main frame includes an inverted U-shaped first adjusting rack;

5 and

each of the clamping units is mounted on the first adjusting rack of the main frame and includes a snapping member pivotally mounted the first adjusting rack of the main frame, an extension bolt having a first end secured on the snapping member, a fixing tube mounted on the extension bolt and having a first end rested on the snapping member, a clamping head mounted on 10 the extension bolt and rested on a second end of the fixing tube, and a control knob mounted on a second end of the extension bolt and rested on a bottom of the clamping head.

2. The bicycle fixing rack assembly in accordance with claim 1, 15 wherein the snapping member of each of the clamping units has two distal ends each formed with a through hole for mounting the extension bolt.

3. The bicycle fixing rack assembly in accordance with claim 2, wherein each of the clamping units further includes a positioning block mounted in an opening defined between the two distal ends of the snapping 20 member and formed with a through hole for mounting the extension bolt.

4. The bicycle fixing rack assembly in accordance with claim 1, wherein the first end of the extension bolt of each of the clamping units is formed with a catch head rested on the snapping member.

5. The bicycle fixing rack assembly in accordance with claim 1,  
5 wherein the fixing tube of each of the clamping units is formed with a through hole for mounting the extension bolt.

6. The bicycle fixing rack assembly in accordance with claim 1, wherein the clamping head of each of the clamping units includes two clamping blocks, and a spring mounted on the extension bolt and urged  
10 between the two clamping blocks.

7. The bicycle fixing rack assembly in accordance with claim 6, wherein each of the two clamping blocks has a first end formed with an arcuate recess, a mediate portion formed with a stepped hole for passage of the extension bolt, and a second end pivotally connected with a pivot block by a  
15 bolt, and the spring is received in the stepped hole of each of the two clamping blocks.

8. The bicycle fixing rack assembly in accordance with claim 1, wherein the control knob of each of the clamping units is formed with a screw bore, and the second end of the extension bolt of each of the clamping units is  
20 formed with an outer thread screwed into the screw bore of the control knob.

9. The bicycle fixing rack assembly in accordance with claim 1, further comprising two pivot units each pivotally mounted on the first

adjusting rack of the main frame and each including a rotation member secured on a respective side of the first adjusting rack, an outer tube secured on the rotation member, an inner tube movably mounted on the outer tube, and a fixing member secured on the inner tube.

5           10. The bicycle fixing rack assembly in accordance with claim 9, wherein the rotation member of each of the two pivot units includes a semi-spherical first body formed with a U-shaped recess for receiving the respective side of the first adjusting rack, and a semi-spherical second body pivotally mounted on the first body and provided with a mounting tube.

10           11. The bicycle fixing rack assembly in accordance with claim 10, wherein the first body of the rotation member of each of the two pivot units has a periphery formed with a plurality of cavities, and the second body of the rotation member of each of the two pivot units has a periphery formed with a plurality of bosses each inserted into a respective one of the cavities.

15           12. The bicycle fixing rack assembly in accordance with claim 9, wherein the outer tube of each of the two pivot units has a first end secured in the mounting tube of the second body of the rotation member.

            13. The bicycle fixing rack assembly in accordance with claim 12, wherein the rotation member of each of the two pivot units further includes a  
20 bolt extended through the respective side of the first adjusting rack of the main frame, a hole formed in the first body, a hole formed in the second body and the first end of the outer tube of each of the two pivot units, and a nut screwed on

the bolt, so that the rotation member of each of the two pivot units is secured on the respective side of the first adjusting rack of the main frame, the first body of the rotation member of each of the two pivot units is combined with the second body, and the outer tube of each of the two pivot units is secured in the mounting tube of the second body of the rotation member.

14. The bicycle fixing rack assembly in accordance with claim 12, wherein the outer tube of each of the two pivot units has a second end formed with an adjusting hole, the inner tube of each of the two pivot units is formed with a plurality of adjusting holes, and the outer tube is combined with the inner tube by a bolt.

15. The bicycle fixing rack assembly in accordance with claim 9, wherein the fixing member of each of the two pivot units includes a rotation block mounted on an end of the inner tube, a fixing block mounted on the rotation block by a screw, and a claw mounted on a side of the rotation block.

16. The bicycle fixing rack assembly in accordance with claim 1, wherein the first adjusting rack of the main frame has two sides each formed with a plurality of adjusting holes, the main frame further includes a U-shaped second adjusting rack movably mounted on a lower end of the first adjusting rack and having two sides each formed with a plurality of adjusting holes, and the second adjusting rack of the main frame is combined with the first adjusting rack by two bolts.

17. The bicycle fixing rack assembly in accordance with claim 16, wherein the second adjusting rack of the main frame has a lower end provided with a crossbar, two hooks each mounted on the crossbar and each provided with a rope which has a distal end provided with a claw.

5           18. The bicycle fixing rack assembly in accordance with claim 1, wherein the main frame further includes a support rack pivotally mounted on the first adjusting rack of the main frame and including two pivot tubes each pivotally mounted on the respective side of the first adjusting rack by a U-shaped pivot seat and two bolts, and a U-shaped support bar movably  
10   mounted on the two pivot tubes, each of the two pivot tubes of the support rack is formed with a plurality of adjusting holes, the support bar of the support rack has two sides each formed with a plurality of adjusting holes, and the support bar is combined with the two pivot tubes by two bolts.

19. The bicycle fixing rack assembly in accordance with claim 18,  
15   further comprising a plurality of X-shaped fixing plates each secured on the support rack of the main frame by two bolts.

20. The bicycle fixing rack assembly in accordance with claim 9, further comprising a plurality of X-shaped fixing plates each secured on the pivot units.